

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US 97/08482

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 D01F1/10 D01F6/04 D01F6/06 D01F8/00 D01F8/06
D04H1/42 C08J3/22 C08K3/00 H01G7/02 B01D39/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 D01F D04H C08J C08K H01G B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 615 007 A (HOECHST AG) 14 September 1994 see the whole document ---	1-6, 9-12, 15-22, 41-53
X	PATENT ABSTRACTS OF JAPAN vol. 012, no. 316 (C-524), 26 August 1988 & JP 63 085112 A (TEIJIN LTD), 15 April 1988, see abstract ---	9-18
A	EP 0 623 941 A (HOECHST CELANESE CORP) 9 November 1994 ---	
A	US 4 468 432 A (MATSUKURA KAZUO ET AL) 28 August 1984 ---	
	-/--	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "Z" document member of the same patent family

Date of the actual completion of the international search

15 October 1997

Date of mailing of the international search report

24. 10. 97

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Tarrida Torrell, J

INTERNATION. SEARCH REPORT

Internat. Application No
PCT/US 97/08482

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 767 444 A (ZEISBERGER R) 23 October 1973	

A	GB 1 042 906 A (CIBA LIMITED) 14 September 1966	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 97/08482

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0615007 A	14-09-94	DE 4307398 A	01-12-94
		DE 4321289 A	05-01-95
		FI 941069 A	10-09-94
		JP 7003521 A	06-01-95
		NO 940812 A	12-09-94

EP 0623941 A	09-11-94	CN 1097774 A	25-01-95
		DE 69404736 D	11-09-97
		JP 6340769 A	13-12-94
		US 5558809 A	24-09-96

US 4468432 A	28-08-84	JP 58185225 A	28-10-83
		JP 58222125 A	23-12-83
		JP 59039525 A	03-03-84
		JP 1028493 B	02-06-89
		JP 1544370 C	15-02-90
		JP 58085514 A	21-05-83
		DE 3242657 A	26-05-83
		GB 2113471 A,B	03-08-83

US 3767444 A	23-10-73	NONE	

GB 1042906 A		BE 652999 A	11-03-65
		CH 457674 A	
		DE 1265702 B	29-11-73
		FR 1411967 A	22-12-65
		NL 6410631 A	15-03-65
